

WHAT IS CLAIMED IS:

1. An audio data processing device for reproducing audio data from a plurality of speakers located around a reference point, the device comprising:
an audio data acquiring section for acquiring the audio data; and
5 a delay processor for selectively delaying audio data transmitted to a first speaker connected by way of wiring in a wired transmission system out of the audio data of channels respectively corresponding to the speakers on the basis of a time until the audio data transmitted to a second speaker connected by way of a radio medium in a wireless transmission system is reproduced from the second speaker.
- 10 2. The audio data processing device according to claim 1, further comprising a transmitter that transmits the audio data as a digital signal to the second speaker in the wireless transmission system.
3. The audio data processing device according to claim 1, wherein the delay processor delays the audio data according to a first locating distance from the reference
15 point to the first speaker, a sound travel distance corresponding to a time necessary for modulating and demodulating the audio data transmitted to the second speaker in the wireless transmission system and a second locating distance from the reference point to the second speaker.
4. The audio data processing device according to claim 3, wherein the delay
20 processor delays the audio data based on the difference between the first locating distance and the total distance of the second locating distance and the sound travel distance.
5. The audio data processing device according to claim 1, further comprising:
a storage that stores the audio data so that the delay processor delays the audio
data,
25 wherein the storage has a data area having the same size as a standard data area that is used when a same transmission system is applied to the speakers, and a delay time of the first speaker is assigned to the data area.
6. The audio data processing device according to claim 5, wherein the delay processor delays the audio data based on either the data area or the standard data area.

7. The audio data processing device according to claim 1, wherein the first speaker represents a center speaker located at the front relative to an audience, a right front speaker located at the front right side and a left front speaker located at the front left side, and the second speaker denotes a right rear speaker located at the rear right side relative to the audience and a left rear speaker located at the rear left side.
8. The audio data processing device according to claim 1, further comprising:
a connection detector for detecting that the speaker is connected in the wired transmission system so that the audio data can be acquired,
wherein the delay processor delays the audio data transmitted based on the connection status of the respective speakers detected by the connection detector.
9. The audio data processing device according to claim 1, further comprising:
an image data acquiring section for acquiring image data;
a display for reproducing the acquired image data; and
an image data delay processor that delays, at transmission of the image data, the image data by a time corresponding to a maximum delay time of the audio data delayed by the delay processor.
10. An audio data processing method for reproducing audio data from a plurality of speakers located around a reference point, the method comprising the step of selectively delaying audio data transmitted to a first speaker connected by way of wiring in a wired transmission system out of the audio data of channels respectively corresponding to the speakers on the basis of a time until the audio data transmitted to a second speaker connected by way of a radio medium in a wireless transmission system is reproduced from the second speaker.
11. The audio data processing method according to claim 10, the method further comprising the steps of:
acquiring image data; and
at transmission of the image data, delaying the image data by a time corresponding to a maximum delay time of the audio data delayed by the delay processor.
12. An audio data processing program executing an audio data processing method for

reproducing audio data from a plurality of speakers located around a reference point by the computing section,

the method comprising the step of selectively delaying audio data transmitted to a first speaker connected by way of wiring in a wired transmission system out of the audio data of channels respectively corresponding to the speakers on the basis of a time until the audio data transmitted to a second speaker connected by way of a radio medium in a wireless transmission system is reproduced from the second speaker.

13. A recording medium storing an audio data processing program in a manner readable by the computing section,

wherein the program executes an audio data processing method for reproducing audio data from a plurality of speakers located around a reference point by the computing section,

the method comprising the step of selectively delaying audio data transmitted to a first speaker connected by way of wiring in a wired transmission system out of the audio data of channels respectively corresponding to the speakers on the basis of a time until the audio data transmitted to a second speaker connected by way of a radio medium in a wireless transmission system is reproduced from the second speaker.